

COMPONENT 3

MAGHULL HIGH SCHOOL – CURRICULUM MAP

April - May							
Unit 3 – Construction and Design (Internal Assessment)	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
TOPIC (S) Client Requirements External design constraints Budget Site plans	What is a client profile? What are client needs? What does it mean by the client's lifestyle?	What does it mean by the client's lifestyle? What does sustainability mean?	What does it mean by street scene? What does it mean by style and aesthetics?	What does it mean by access issues What does it mean by planning and building control?	What is meant by budget with a given project? What would need to be included in a budget for a given project? What constraints could be involved with a budget?	Summative assessment	
May - July							
Unit 3 – Construction and Design (Internal Assessment)	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
TOPIC (S) Site Plans Floor Plans Development of sketching techniques One point and Two Point perspective drawing	What is a site plan?	What is a floor plan?	How to draw in one point perspective drawing	How to draw in one point perspective drawing	How to draw in two-point perspective drawing	How to draw in two-point perspective drawing	Summative assessment
COMPONENT 3 WILL CONTINUE IN SEPTEMBER OF YEAR 11							

Knowledge & Skills development	<p>Understand what a client profile is and the importance of including it within the written task of this component</p> <p>Understand which portion of the brief is relating to a client's needs</p> <p>Understand the client needs and the importance of including it within the written task of this component</p> <p>Understand which portion of the brief is relating to a client's needs</p> <p>Understand what client's lifestyle is and the importance of it within the written task of this component</p> <p>Understand which portion of the brief is relating to the client's lifestyle</p> <p>Understand what sustainability is and the importance of including it within the written task of this component</p> <p>Understand which portion of the brief is relating to the sustainability</p> <p>Understand the different ways in which they can ensure environmental concerns are considered.</p> <p>Understand sustainable building options that could benefit the client's lifestyle choices</p> <p>Understand what is meant by street scene and the area of land that has been purchased to build on</p> <p>Understand what is meant by style and aesthetics of a building and how it links with local area</p> <p>Understand will identify any access issues which may occur due to surrounding area</p> <p>Understand what is meant by planning permission when developing a new building</p> <p>Understand what a meant by a budget in a project and the importance of including it within the written task of this component</p> <p>Understand what is required to be purchased for a given project and within the given budget</p> <p>Understand what constraints will be involved within a specific budget</p> <p>Understand what one point is and two-point perspective drawing and how it assists towards the completion of a task</p> <p>Understand what is rendering and how that improves student's drawings</p> <p>Understanding who uses a site plan and what is included in a site plan</p> <p>Understanding what a floor plan is and how it is used within industry</p> <p>What is one point perspective drawing and how this helps towards communication design ideas</p> <p>What is two-point perspective drawing and how this helps towards communication design ideas</p> <p>What is rendering and how this helps improve design communication</p>
Assessment / Feedback Opportunities	<p>Formative teacher assessment – verbal</p> <p>Summative teacher assessment</p> <p>Homework Assessment</p>
Key Vocabulary	Describe, Discuss, Identify, Client, Requirements, Constraints, budget, Sustainability, Aesthetics, planning permission, Client brief, Environmental, Street Scene, access, perspective, rendering
Literacy/Reading Opportunities	Booklets, PowerPoint, Homework's
Cross curricular themes	<p>Maths – budgets</p> <p>Art – drawing, perspective</p> <p>Geography - sustainability</p>
Personal Development (including British values, RSE, Citizenship)	<p>Sharing equipment and tools.</p> <p>Teamwork</p> <p>Fostering an environment that values democracy, the rule of law, individual liberty, and mutual respect and tolerance</p> <p>Cultural awareness and diversity within construction organizations, recognizing the impact of cross-cultural issues, diversity, and values.</p>
Career Opportunities	Architect, Constriction management, Environmental Consultant, Quantity Surveyor, Civil Engineering, Town Planner, Bricklayer, Carpenter, Building Site Inspector.